

Subject Mass Spectrometry

Instructor's Name

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A sample of adduct was prepared (described on previously) and divided into two portions for mass spectrometry.

The HRMS initially showed nothing - which led Vern to think that the MS sample was a salt.

I took back the (2) tubes (broken in half for the MS) and put (2) into scintillation vials - there was a lot of cpm (could probably account for the entire sample in this way).

The third sample was dissolved in HPLC mobile phase and injected - a small but definite peak was observed.

Finally, Vern resubmitted the last remaining sample to MS - and at very  $\uparrow T$  (for long  $t$ )  $\rightarrow$  got a burst of ions.